

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "William L. Fuqua III" <wlfuqu00@service1.uky.edu>  
Subject: 7630 tube and parts Clegg 99'er 6 meter rig  
Message-ID: <199701040347.WAA00140@service1.cc.uky.edu>

Have a good 7630 tube and a Clegg 99'er 6 meter parts rig to sale for a young ham who is trying to raise the money for a good HF rig. He is working on his code now and will soon have his 5wpm credit.

The 7630 is un used and I checked it on a Hickock transconductance tube tester. The minimum was to be 1250 and it checks out to be better than 2000. It is not in original box.

The Clegg 99'er is modified for push to talk with a set of relays replacing the large telephone style toggle switch. I think it is only good for parts.

There you have it. If you are interested let me know what the items of interest are worth to you.

73

Bill wa4lav

William L. Fuqua III P.E. E-mail WLFUQU00@POP.UKY.EDU Phone (606) 257-4155  
Department of Physics and Astronomy CP-177 Chem. Phys. Bldg.  
University of Kentucky , Lexington, Ky 40506-0055

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: gpewitt@execpc.com  
Subject: another lot of stash goodies-coils  
Message-ID: <Chameleon.970103105623.gpewitt@execpc.com.execpc.com>

I found two lots of NOS coils that might be of interest.

First lot are airdux marked:

AirDux #051 002906A illumitronic sunnyvale

they are 36 turns 1 1/2" od by 3 3/4" long wound on a plastic rectangle 4 3/4" by 1 1/2" by 1/8" with two threaded mounting pins on one end. The first 10 turns are open spaced and the rest are close wound. Every other turn is pushed down in two places. I assume this is to make it easier to attach taps.

The wire measures .64" diameter. I have 10 of them.

Second lot are on 1" by 3" by 1/8" clear plastic rectangle with 1/8" hole in each end.

Two concentric coils as follows:

Inner coil 6 turns 1.090 od by .720 long of .050 wire  
center tapped with a piece of .025 wire.  
Outer coil is 2 turns of .050 wire 1.450" od  
At first sight I thought of antenna traps?  
There are no markings. All are in perfect condition.  
I have ten of these too.

Any interest?

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Apologizes to the List  
Message-ID: <UPMAIL03.199701040057290725@msn.com>

Hi Gang, something has been nagging me for a few days, I think it started with my Joke about A\_\_\_ thermometers, I thought It was cute, Now looking back I find that to be of ZERO interest to this list that I love, and worst I implicated a gentleman that I respect Highly as being involed in this fiasco. Trust me( He had no part of it)

So, my apologizes to the list and Jerry. I know that doesn't right a wrong, but it's the best I can do.

I have a little tag that I just put on the bottom of my CRT, "THINK BEFORE YOU TYPE". and make sure your sending to an individual , not the list.

Long Live the BA's

Al

fritsche@msn.com

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Chuck Penson <penon@sci.mus.mn.us>  
Subject: AT-1 help  
Message-ID: <32CD6448.76CB@sci.mus.mn.us>

I need to know how many turn there are on the grid and plate coils.

Thanks for any help!

--

Chuck Penson  
WA7ZZE

penon@sci.mus.mn.us  
612.221.4510 voice

612.224.5092 fax  
http://comped.sci.mus.mn.us

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Authur Godfrey on an African Field Day  
Message-ID: <199701032129.QAA34662@mule1.mindspring.com>

After all the talk about Arthur Godfrey, K4LIB (SK). I pulled out My August 1857 QST. An article under his name is on pages 48-49.

With him on the trip to then French Equitorial Africa (Prefix FQ8) were Gen Curtis LeMay K0GRL (SK) and CBS Engineer Ozzie Presnell W2HC (SK). The President of Fairchild Aviation and the Washington Chief of Time/Life (article appeared in Life magazine also). The equipment on the trip consisted of the Eldico SSB-100F, the Collins 75A4, three Gonset Communicators, a Viking Tuner, and Telrex 2el beams for 20 and 15 plus a 3 el Telrex for 10. On Page 49 there is a good picture of W2HC inside the center with the equipment and a picture of the beams mounted next to the truck. The picture of K4LIB on page 48 is from the Life article.

The article says they made 600 QSOs 90% SSB, 10% CW. This is pure 100% BA gear. The communicators get high praise for local communications. Seems they hunted in a 50 mile radius of the base camp. One communicator went with Gen LeMay in his jeep, one in the helicopter, and one stayed at the base.

I had just gotten my HQ110 on their last day and I listened to them on 15 meters working by USA call district. They were on 21200 listening 21.390 or something close to that. MY DX35 was ready but the CW went to 20 at 14014 so I did not even get to call. Lemay ran the CW and it was top drawer.

Their operating location is now located mostly in The Central African Republic with the Northern part lying in Chad. This area is being overrun by desert 39 years later and the game has moved East and South. This area is also only 200KM from the violent Southern Sudan area. (ST0).

Dave K4JRB

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: jproc@bellglobal.com  
Subject: RE: Authur Godfrey on an African Field Day

Message-ID: <Chameleon.4.01.2.970103194727.jproc@jproc.bellglobal.com>

>After all the talk about Arthur Godfrey, K4LIB (SK).

I watched his biography on the A&E channel the other night. Other than mentioning the fact he was a radio operator in the Navy and Coast Guard, one would never know how deeply involved he was in amateur radio. It's ashamed the producer of the documentary could not have taken a few minutes to chronicle this facet of Godfrey's bountiful career.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario  
-----

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: "Lon W. Cottingham" <k5jv@swweb.net>  
Subject: B&W 5100 set  
Message-ID: <32CD37E3.5BA1@swweb.net>

Greetings to All,

Thanks for all the interest in the B&W-5100B set. It went in the first hour after posting.

I will pick up a 5100 and another 5100B and SSB adapter. I am not certain, at this time, what their condition is. The 5100 looks clean, The "B" set looks similar to the set that just sold (dirty but complete and restorable). I do not know about original manuals for them. Copies are available. I will know have more specific information next week.

73 de Lon, K5JV

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: hdmeitzen@champion.aclic.com (HD Meitzen)  
Subject: BA Fest in Southbend Id. on 5 Jan.97  
Message-ID: <9701031936.0F4C84@champion-0845.aclic.com>

Does anyone know the exact location or have a phone number?  
Thanks in advance.  
Dave AA9TT

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: scotgray <scotgray@cwnet.com>  
Subject: Bakelite (was new knobs)  
Message-ID: <32CCA17B.5060@cwnet.com>

One word:  
Bakelite (and I hope I'm spelling it right).

Plastic is/was cheaper(?), but I got ALOT around the house.. all in the form of Knobs. Saw a special on TV some months ago about collecting the stuff. Chess pieces, salt shakers, tool handles, radio cabinets.. You name it... Bakelite was THE thing.

What happened? Is it dangerous? Will it affect my health? Did it just fade away in evolution of a better and cheaper product?

Dare I enter "Bakelite" into my search engine?

REAL radios use bakelite, maybe thats the attraction!

Scott KD6CQ  
Still looking for some Bakelite HQ-150/160 tuning knobs...

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: BC-348 Audio Output Tube  
Message-ID: <Pine.OSF.3.91.970103181902.23531A-100000@francis.tenet.edu>

I am trying to get a BC-348-P working and I have discovered an odd anomaly in the audio output tubes. The radio, and some others that I have seen, has a Type 41 tube as the audio output. However, as I was perusing my photocopy of the manual, I noticed that the output tube listed for this radio was a VT-152 which the manual says is a 6K6. This is a copy of the 20 July 1945 manual Revised 15 April 1957. The 6K6 appears to have been the standard audio output tube for the -J, -N, -Q series of BC-348. Interestingly, neither manual lists the -P variant specifically although the -H, -K, -L and -R are named on the cover of one and the -J, -N and -O are on the other. Is the -P an unusual radio?

Are these tubes directly interchangeable? (I'm sorry, tube gurus, I'm

only a Mechanical Engineer)

When was this change made? Most BC-348s that I have seen of the type with the tubes with the grid caps have had the Type 41 tube. Was this a MWO? Why was it done? I assume that Type 41s were much more available then than now so would not think that they changed because of that although it would be nice to do now!

Thanks for the help.

Lenox, WA50VG

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: Re: BC-348 Audio Output Tube

Message-ID: <19970104034759.AAB13340@LOCALNAME>

At 12:35 AM 1/4/97 +0000, you wrote:

>

>I am trying to get a BC-348-P working and I have discovered an odd  
>anomaly in the audio output tubes. The radio, and some others that I  
>have seen, has a Type 41 tube as the audio output. However, as I was  
>perusing my photocopy of the manual, I noticed that the output tube  
>listed for this radio was a VT-152 which the manual says is a 6K6.

>

>Are these tubes directly interchangeable? (I'm sorry, tube gurus, I'm  
>only a Mechanical Engineer)

>

>

>

>

>Lenox,

You can simply make an adapter by taking a dud 41 or 42 and salvaging the base.

Mount an octal socket on it and wire the appropriate pins of the 6K6 to the appropriate pins on the 41 or 42 base. The only difference is the base of the tube. Otherwise the 41 and 6K6 are identical. You can change the socket in the receiver, but it would be better to just wire up an adapter to plug a 6K6 into.

41        1 & 6 = heater  
          2= plate  
          3=screen  
          4=control grid  
          5=cathode

6K6

2 & 7 = heater  
3= plate  
4= screen  
5= control grid  
6= no connection  
8= cathode

Hope this helps.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: Hallicrafters SR-75, 860 tubes\*\*

\*\*Butternut HV2V antenna, G-R test gear.....\*\*\*

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997

From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>

Subject: Re: CE 100V Chirp and Keyer Caution

Message-ID: <199701031716.LAA08472@lesol1.dseg.ti.com>

At 04:47 PM 1/2/97 -0600, Peter Ferrand wrote:

>At 01:02 PM 1/2/97 -0600, you wrote:

>...

>>The other thing worth mentioning is that the panel lights in my 100V dim  
>>considerably when the transmitter is keyed. Do other 100V's do this? Does  
>>your 100V do this, Peter?

>

>Nope, not that I can see. Line voltage here runs on the low side, no matter  
>how I measure it, maybe 114-115 most of the time.

>

>Thing is, I've had a 100V in the shack for fifteen years and only tried cw  
>for the first time this year with it. Do I really need what, 26 tubes to  
>run cw?

I did a couple of quick checks on the 100V last night. First, I want to dispel the notion that the in-rush current limiter was contributing to the problem. I bypassed the in-rush current limiter and found that it had no noticeable effect on the output signal's sound as monitored in the R390, nor

did the in-rush current limiter have much effect on panel lamp brilliance.

I listened more critically for the chirp, going so far as to zero beat the signal and found the "chirp" to be extremely short (in the millisecond region) and almost imperceptible, not at all the whoop, whoop, whoop often associated with chirping signals. Consequently, I'm inclined to believe that the "characteristic" 100V CW sound is largely attributable to its amplitude shaping.

The other curious thing I noticed is that the panel lamps dim instantaneously as the transmitter is keyed but return to essentially full brilliance long before a dit (or dah) is completed. This suggests to me that a "big" capacitor charges up every time the transmitter is keyed. Unfortunately, fumbling through the eight pages of schematic didn't yield any insight into what capacitor might be doing this.

Since, as I mentioned previously, the distinctive sound of the 100V is subtle and although noticeable is not objectionable, I don't plan to do anything further to the 100V to resolve it. Lots of rigs have distinctive CW sounds. The early S-lines apparently were notorious for this as was the British made KW2000.

As for the need, Peter, to use 26 tubes on CW... One of the arcane joys of boatanchoring is using, and heating up, lots of real estate. With the CE-100V, R390 and SB-220 on my desk, I've not much room for another rig (although a KWM-2A is currently atop the R390). Fortunately, with the 100V I don't need another rig, as I can operate SSB, CW and even AM (although reports on AM have been mixed). I suppose my next project needs to be getting that CE-MM2 modulation monitor scope (which I acquired along with the 100V) operational so that I can monitor the 100V output waveform as you do, Peter, and optimize it in all modes.

Regards,  
Bill Sorsby, N5BU

\*\*\*\*\*  
bill.sorsby@dlep1.itg.ti.com  
Views expressed herein are no one's fault but mine.  
\*\*\*\*\*

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Bob Duckworth <WB4MNF@atl.org>  
Subject: Collins 30L1 to 6meters conversion  
Message-ID: <01BBF958.6D321E60@office>



I had been looking for an SB200 to modify for 6m using a pair of those little doorknob tetrodes. The SB200 has a bit more HV than is good for these tubes though. Having come across a 30L1 that I can swap some of the debris here for, I'd like to know it's power supply specs. If someone here has a manual or knows the load and no load voltages and max ICAS current for the 30L1, I'd appreciate some mail.

73 4 fb 97

-bob

wb4mnf

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Steve Ellington <n4lq@iglou.com>

Subject: Collins Antenna?

Message-ID: <32CD7D54.BC5@iglou.com>

I'm trying to find some info on a dipole antenna made by Collins. Seems like it was some kind of wide-band or multi band arrangement. I know they made a dipole for portable use that worked like a tape measure reel but that's not it. Didn't they sell a fan dipole or one made for use with a tuner?

N4LQ Steve

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997

From: TPHAAK@ccmail.monsanto.com

Subject: RE:Crystals

Message-ID: <00304000021838420000002\*@MHS>

Gang,

I need some advice on what you have done and who you have gone to for getting crystals made.

I have a transmitter that uses a large crystal holder that is marked TYPE 1D. It is over an inch cubed with 3 pins the size of banana jacks. The top data plate is removable to expose the xtal element which is quite large.

My first stop was JAN. Their cost for a crystal with wire leads or pins in the range I need was \$67.50 per xtal. The transmitter takes the xtal freq. and either doubles it or doubles it and quadruples it depending on the operating transmitter output range it must cover

(1.5MC to 15MC!!!!). That puts the 160Meter band in the 900KC xtal range (it doubles for that band) and 900KC again for the 40M band (it doubles and quadruples. Crystals in that range are EXPENSIVE!!!

Well the transmitter wasn't cheap so I guess the crystals ain't gonna be any different. Question is, is it worth the effort to call any of the xtal manufacturers to see if they will cut a slab for the holders that I have or how bout removing the plate from the inside of the holder, buying the \$67 job from JAN with wire leads and soldering it into the holder? I am told this type of crystal is also used in the TCS transmitters and since I know there are a number of you with that equipment maybe there is an answer out there.

Tim WA0TSY  
tphaak@monsanto.com

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: jproc@bellglobal.com  
Subject: re: Crystals  
Message-ID: <Chameleon.4.01.2.970103192650.jproc@>

Tim,

I have some of those three pin crystals aboard ship but none of them are cut for amateur frequencies. Have you approached JAN crystals to see if they can re-lap your existing crystal to a higher frequency seeing that they can build one with the same electrical functionality?

Two years ago, I had a similar problem when I approached Lesmith Crystals in Oakville Ont. I needed a couple of 14 Mhz crystals for an RCK receiver and I was willing to supply two, original, pressure mount holders. My request was just to grind some blanks to the requested frequencies around 14.5 mhz. When I received the finished product, here were the exact words on the packing list:

"The sample crystals that you supplied us are obsolete pressure mount crystals and are a third overtone type. This means that the crystal blank is lapped to a fundamental frequency which is one third of the nominal output. The oscillator circuit has an L-C tank tuned to the nameplate frequency.

We are supplying crystals whose fundamental frequency is the nameplate frequency. Replacing your crystals with original quartz would be prohibitively expensive. Try these crystals, but first turn the crystal drive (if there is one) down to the lowest level. These old pressure mounts

required a very high drive to make them work. This drive will destroy the new, plated crystals. Let us know how (if?) they work."

In my case, I was only using them in a receiver and they worked just fine. If used in an oscillator, then the caveat from Lesmith should be seriously considered as I'm sure they have seen problems in the past. In your case, since JAN is willing to replicate a crystal, the cost of \$67.50 may simply be indicative of the same cost that Lesmith pointed out as prohibitive.

If your crystal cannot be lapped to a higher frequency of your choice, remind me in April and I will see what crystals/frequencies I have aboard ship.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario  
-----

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: crystals/sockets  
Message-ID: <Pine.ULT.3.95.970103155421.13630B-100000@admin.aurora.edu>

Much discussion on various crystals, holders, and sockets reminded me that while obvious to many, perhaps some don't know that to fit a HC6/U xtal into a FT-243 socket (or tube socket) you merely break the pins off an old octal tube and slip them over the leads of the HC6 xtal.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Ho4bart@aol.com  
Subject: Dear Heathkit Co: about that GR-81  
Message-ID: <970103043549\_1223672747@emout07.mail.aol.com>

this letter was recently found by the post office in a supposedly empty mailbag in storage:

Dear Heathkit Co.:

I just learned that your prototype regen receiver, to be named GR-81, is soon to be released into production. I think it's great that Heath will again have an entry into the first-step shortwave kit market, after all, Knight & Lafayette have had this to themselves for too long. And we know that some of those beginners will stay with the company as they progress. However, I would like to recommend some changes to your GR-81 before you call it finalized. The power transformer will appeal to fathers buying for sons, but at little or no additional cost you could exchange this 1:1 xfrmr for one of the type usually used in TV UHF converters. Then instead of that crummy 12AT7-50C5-35W4 circuit with its 17 watts of filament circuit heat, you could use a solidstate rectifier and a circuit something like 6EA8 + 6AK6. This circuit would not cost more and would offer more sensitivity and better output, without increasing the complexity too much for the boys. Or, consider even 2 6EA8, or 6EA8 + 6AW8. I'm sure one of your engineers could whip this circuit up in one afternoon. And the knobs: why not make the bandspread knob bigger & move it up on the panel, it's badly placed as is. And why not delete the LW band, it's practically useless, you could divide the HF region into one more band. And those sharp plastic feet that are sure to scratch whatever desk the set is placed on, I know you want to use them up, but why not just go for some cheap rubber feet? The basic mechanics of the receiver are already laid out, and these changes could swiftly be put into production. I feel with these changes, you would have a product with obvious advantages over the competition, and one that the builder could enjoy using even after moving up, instead of just one that's tried out and then put away on some shelf, because it's not much fun to use. Sincerely, [name withheld]

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>  
Subject: RE: Dear Heathkit Co: about that GR-81  
Message-ID: <A4683ZWQMI8HOZ\*/R=OUVAXA/R=A1/U=POST/@MHS>

>However, I would like to recommend some changes to

>your GR-81 before you call it finalized. The power  
>transformer will appeal to fathers buying for sons, but  
>at little or no additional cost you could exchange this  
>1:1 xfmr for one of the type usually used in TV UHF  
>converters. Then instead of that crummy 12AT7-50C5-  
>35W4 circuit with its 17 watts of filament circuit heat,  
>you could use a solidstate rectifier and a circuit some-  
>thing like 6EA8 + 6AK6. This circuit would not cost more  
>and would offer more sensitivity and better output, with-  
>out increasing the complexity too much for the boys.  
>Or, consider even 2 6EA8, or 6EA8 + 6AW8. I'm sure

This sounds like it could have been written to Allied for the Knight kits.  
Their Space Spanner was the typical 12AV7-50C5-35W4 circuit.

In 1958, Allied came out with the new Knight Span Master, model Y-258 which  
was exactly as described, two 6 volt tubes. I don't have the radio handy  
but I recall an RF pentode, probably 6AU6, and an audio triode-pentode,  
probably a 6AW8. This 2 tube plus selenium rectifier transformer-operated  
set cost \$24.95. Its cheaply-made cabinet looked very impressive in the  
ads. It is bandswitched and has two levels of regen control, coarse and  
fine. Mine is actually very sensitive with a decent antenna. The chassis  
is relatively small with about half the cabinet taken up by the speaker.  
The tuning dial-marking is press-on foil. I never saw the 2-tube-design  
mentioned in any of the ads.

At the impressionable age of 13, I considered it as well as the 5-tube  
superhet Heath AR-3 which cost \$5 more (and another \$4.95 for the cabinet.)  
I'm glad I chose the AR-3 at the time. My parents (much later) told me  
they thought I would never be able to build it but Heath's instruction  
manual was thorough and step by step. When I finished it, a couple of  
Elmer hams at Wilson's Electric in Sussex, N.J. aligned it for me. I  
learned a lot from the manual's description of "how it works". Imagine my  
parents surprise (and mine) when I tuned in Radio Nederland one night and  
the thing spoke their (and my) native language.

And those old memories is one reason why I still love this stuff.

73 de Rich KB8TAD <rpost1@ohiou.edu>

The two Knights and the AR-3 are on page 2 of my BA Pix web site  
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BApg2.html>

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: douga@rosevax.rosemount.com (Doug Arntson)

Subject: Drake 2C info

Message-ID: <199701031522.JAA04095@scar.frco.com>

Greetings BA list,

I recently acquired a Drake 2C, without a manual. I would like to obtain an original manual for it if possible. A copy would also do as well. I would be glad to pay the usual copying and/or mailing expenses.

The question I have is what are the differences between the 2B and the 2C. It seems the members of this list prefer the 2B over the 2C. Is that true, or are the 2B's just more abundant than the 2C's ?

Thanks and a Happy New Year to all.

Doug  
K0PX

douga@rosemount.com

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: dumpster dive - the ultimate BA?

Message-ID: <Pine.ULT.3.95.970103203636.13454D-100000@admin.aurora.edu>

Well it looks like the old storeroom is about cleaned out (however there are some telegraph instruments in there that I hope he decides to dump some day). The latest find was a real conversation piece and a real TVI generator. Another wooden base instrument about 12 by 18 inches and 2 inches thick! On top is a 5 by 8 inch coil supported by two 8 inch square by 1 inch thick wood panels. On top of the coil are a pair of standoff insulators and long needles pointing towards each other. On the side of one of the vertical 8 inch sides, is the biggest damn vibrator device I have ever seen. Anyway, you hook up 6 volts to the binding posts, turn on (I mean "throw") the knife switch on the base, and this thing generates sparks 4 inches long! If you looked at one of the old Model T ignition coils and blew it up in size about 20 times, that is what this looks like. Made by Thordarson, of all people.

Maybe I'll feed it into a 3579.545 MC tank and call CQ BA {-:-)

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "David A. Cooley" <cooldave@ipass.net>  
Subject: eimac 2-150D's  
Message-ID: <1.5.4.32.19970104002256.006a48f4@mail.ipass.net>

Anyone know what the 2-150D's are?  
Can't find them in my 1966 or 1974 radio amateurs handbook...  
I ordered 20 of them though!

Thanks,  
Dave

```
=====
David Cooley N5XMT                Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net      And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
=====
```

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: eimac 2-150D's  
Message-ID: <19970104034759.AAA13340@LOCALNAME>

At 12:24 AM 1/4/97 +0000, you wrote:  
>Anyone know what the 2-150D's are?  
>Can't find them in my 1966 or 1974 radio amateurs handbook...  
>I ordered 20 of them though!  
>

The 2-150 is a high voltage rectifier tube.  
Filament is 5 volts @ 13 amps  
30,000 peak inverse volts at 150 ma.  
This is all I can find on them  
73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: Hallicrafters SR-75, 860 tubes\*\*  
\*\*Butternut HV2V antenna, G-R test gear.....\*\*\*

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Richard Hager <rhager@millcomm.com>  
Subject: Eimac Tube, a dollar each NIB  
Message-ID: <32CD6D5D.1CC8@millcomm.com>

Hello Thoriated ones...

I ran across the item below and thought it might be of interest to some of you. The item was seen at:

<http://www.netsync.net/users/radioone/usequip1.htm>

New Eimac 2-150D Tubes- New in box. 768 available.....\$1.00/ea or best offer.

I have no idea what this is, but -any- Eimac tube that's only a buck each has to be interesting, right?

NOTE: PLEASE DON'T WRITE ME ABOUT THESE, CONTACT THE WEB ADDR ABOVE.

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to make things" So... -  
+ ...please call Ah-ha! directly for CNC info -  
+ <http://www.millcomm.com/~ahha> email: [ahha@millcomm.com](mailto:ahha@millcomm.com) -

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: MEC <danmec@inet.uni-c.dk>  
Subject: FS : BC 655A  
Message-ID: <Pine.3.89.9701031652.A7228-0100000@inet.uni-c.dk>

I have found this transmitter in my basemant and dont need it.

Any reasonable offer accepted.

Shipping to USA will be 70 dlrs.

73 Rag 0Z8R0

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: MEC <danmec@inet.uni-c.dk>  
Subject: FS Old Popular Electronics



Message-ID: <Pine.3.89.9701031512.A28740-0100000@inet.uni-c.dk>

I have just discovered a small pile of Pop.Electronics in my basement.'  
13 odd copies from 1960-61 1962 jan-June + sept. 1963 March.

All in good condition.

Paper is heavy so postage (parcel post) will run 15 dlrs.

Anybody offering 40 dlrs for the lot, shipping included ?

HNY 73 Rag OZ8R0

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: "Stanley L Flegler" <flegler@pilot.msu.edu>  
Subject: FS URM-25F for R-390A's  
Message-ID: <199701031327.IAA105116@pilot08.cl.msu.edu>

I have for sale a URM-25F signal generator. This is the exact model specified in the R-390A manual for alignment. The F model is newer than the D model and is much more stable. It includes the following accessories: W102 cord; W103 cord; W104 cord; P701 adapter connector; CU-406 Impedance Matching Network; CX-2919/U test lead; DA-109 dummy load; CU-408 Impedance Matching Network; spare fuses; spare allen wrenches; one extra long BNC cable; and one Xerox copy of manual, Navships 92495. It is in excellent condition and everything works. It does have the normal dings and blemishes in the outer case which also served as a carrying case. Fair Radio charges \$251 for the signal generator and accessories. I'll sell mine for \$125 plus shipping. 73 Stan Flegler K8RPA, flegler@pilot.msu.edu

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: John Kolb <jlkolb@cts.com>  
Subject: HQ-180A paint  
Message-ID: <Pine.SCO.3.91.970103113413.3812A-1000000@sd.cts.com>

Can anyone tell me of a common spray paint color that matches the HQ-180 case?

I tried a product, Strong Aluminum Stick, from LPS to repair all the holes in the front panel rim someone had drilled to RFI proof the reciever. This is a alumimun colored epoxy mix that works real well. Only has about a two minute curing time so you have to work really fast.

John jlkolb@cts.com

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Info needed: Nems-Clarke 2801A UHF/VHF receiver  
Message-ID: <32CD2703.5AC5@ghgcorp.com>

Hi y'all... Asked about this set about 6 months ago with no leads so I thought I'd try it again with all the messages about CEI and Watkins-Johnson floating around lately. From what I understand, Nems-Clarke was yummied up by CEI or WJ.

I need any information possible on a Nems-Clarke 2801A UHF/VHF telemetry receiver. Schematic would be nice, a full manual would be great!

This particular receiver has a pretty interesting history: It still wears it's NASA - Kennedy Space Center calibration tags, and from what I understand of the Apollo program it was probably used to receive telemetry from the mighty Saturn V rockets during ascent. It uses two 7077 ceramic planar triodes in a silvered cavity, with the total tube count being about 25 or 26 I think. Construction quality is like nothing else I've ever seen. Makes R-390A's and such look like they were made in China. Little BNC terminated cables in neat little harnesses, running around heavy weight machined aluminum sub-chassis, with liberal usage of silver plated connectors and silvered cavities, all components on glass-epoxy terminal boards...

Right now I'm not using it for that much as the IF's are too darn wide: 200 kc AM and FM, and 1000 kc AM and FM. Great for telemetry but just too wide for listening the local police. Has a video output and when connected up to my little security monitor I can get a pretty good UHF TV picture on a 3 foot wire antenna. Ideally, if I could get a schematic I'd like to find that the filters that generate the IF width are fairly standard, so I could replace them with narrower ones, like 5, 10, or 15 kc for instance...

Any info appreciated.

Thanks and 73,  
Ben  
--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.  
E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV  
\*\*\* PLEASE NOTE NEW HOME E-MAIL ADDRESS SHOWN ABOVE. \*\*\*

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: Info needed: Nems-Clarke 2801A UHF/VHF receiver  
Message-ID: <32CD54A7.6460@ghgcorp.com>

Thomas Bryan wrote:

Hi Tom and list...

> Nems-Clarke was not bought by WJ or CEI. It was bought by Defense Electronics  
> which went under about 1974. I think Defense Electronics name was used later  
> by another company but they went under too.

Thanks for the correction! I guess it is pretty easy to confuse CEI/WJ  
with DEI...

> I used to own a 2801 but I don't have the manual, sorry. I could send you a  
> copy of the catalog page on it if you want.

I'd like that very much! I'd be interested to know what you were able  
to use the 2801 for... Personally, mine is pretty useless with its  
barn-door-wide IF's...

Thanks and 73,

Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.  
E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV  
\*\*\* PLEASE NOTE NEW HOME E-MAIL ADDRESS SHOWN ABOVE. \*\*\*

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: the-radio-doctor@juno.com (Rob D Long)  
Subject: Items to sell/trade  
Message-ID: <19970103.063453.3942.0.the-radio-doctor@juno.com>

Hi All, I have A few Items to part with, Trades encouraged or make me  
some offers.

Knight Kit T-150, Faceplate pretty nice, little bit of rust color on  
cabinet, Overall an 7+

Knight Kit R100A, Faceplate Nice, Cabinet good overall an 8+

Sure 444 with Transistor preamp Works Great, Cosmetically Good

Turner Expander 500 preamp Desk Mike, Has adjustable Tone Control Works EXC.

Fanon Courier 23, 23 channel Tube CB, (Chrome Cabinet) about a 7

I also have 5 Siltronix VFO's, these are in very nice condition, originally intended for Connection to a CB but have heard these have been used on various TX's

Computer System, 5x86 133, Ask if your interested.

I would prefer some Swapping on the Above items, However cash will work also.

73, Rob

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: Janes Mil Comms 91/2  
Message-ID: <199701031359\_MC1-E34-2769@compuserve.com>

I can get the 91/92 edition, about \$55  
plus postage.

Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Glenn Finerman <GFINER@nms.com>  
Subject: Janes??  
Message-ID: <s2ccca8d.014@nms.com>

Hello gang,

I'm going to be paying a visit to Barnes & Noble this weekend.  
Does anybody know the author of this book? I'll assume they need that info to look it up in the computer. Is this a book similar to Moore's guides with photo's, etc..?

re>For those who might be interested -- Barnes and Noble has the  
>93-94 Janes Military Communications Equipment for \$24.95

Thanks!!!

73.....Glenn Finerman N2BJG gfiner@nms.com

WANTED = Collins S-Line Transmitters / Receivers  
Collins KWS-1, 51J-4, R-648/ARR-41  
National NC-303, Browning Golden Eagle Mk II and MK III

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: the-radio-doctor@juno.com (Rob D Long)  
Subject: Looking for.....  
Message-ID: <19970102.114830.12350.0.the-radio-doctor@juno.com>

Still need a decent TX/RX of the BA variety! please email your offerings! Anyone happen to have an Adventurer they would part with? I'm still looking for A Viking 500 anyone have a spair they would part with? I'll even take a basket -case or parts! I've been asking Santa for A 500 for over 10 years! One of these days I'll find one!! If not A Johny 500, how about A Globe King?

Doesn't Hurt to ask! 73, Rob...

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: km1h@juno.com  
Subject: Making New Plastic Knobs  
Message-ID: <19970103.113414.9895.6.km1h@juno.com>

There are numerous suppliers to the Antique Auto collectors that specialize in reproduction plastic items including radio knobs, face plates, etc.

If there is sufficient interest (read profit) one or more may be interested in BA products. Suppliers can usually be found in the ads of Hemmings Motor News.  
<http://www.hmn.com>

73.....Carl KM1H

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Al Klase <alklase@prolog.net>

Subject: Re: Mil Speaker LS-3 Question  
Message-ID: <199701031231.GAA10445@uro.theporch.com>

At 11:14 AM 1/2/97 -0600, Dave Ragsdale wrote:

>I have a WWII vintage LS-3 speaker made by Hallicrafters. Can anyone tell  
>me what installations these were used in? Looks great with my BC-348 and  
>RBC, but not sure if it's "correct" for them. Also, what is the impedance  
>of the driver and how did it mount? It's got four threaded holes in the  
>back, was there a shock mount for it? Thanks.  
>

This is the "correct" speaker for the various Army transportable systems using the BC-312/342 or BC-314/344 receivers. These are the heavier steel versions of the 348. I don't think the LS-3 was ever installed in an aircraft with a BC-348 because it would be useless due to the high ambient noise level.

My SCR-399/499 TM shows LS-3's mounted above the RX's in the wooden equipment chests pointing downward at the top of the receiver. No shock mounts are used. I've always assumed impedance was in the neighborhood of 600 ohms, but can't confirm that in the manuals I have.

Hope this helps,  
Al

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: Re: Mil Speaker LS-3 Question  
Message-ID: <Pine.OSF.3.91.970103184017.23670A-100000@gaston.tenet.edu>

On Fri, 3 Jan 1997, Al Klase wrote:

> This is the "correct" speaker for the various Army transportable  
> systems using the BC-312/342 or BC-314/344 receivers. These are the heavier  
> steel versions of the 348. I don't think the LS-3 was ever installed in an  
> aircraft with a BC-348 because it would be useless due to the high ambient  
> noise level.

TM 11-487 lists the LS-3 as used with the BC-312 and BC-189.

LS-3	6" electro-dynamic	8000 ohms impedance
LS-7	4" electro-dynamic	4000 ohms
LS-9		250 ohm version of LS-3
LS-11		250 ohm version of LS-7

The LS-7 works well with the BC-348 but was never designed to be used with it. The BC-348 has an output impedance of either 4000 ohms or 300 ohms. The LS-7 was "to be used with, but not a part of, SCR-284-( )" - to quote the manual. The impedances of all of these units are obtained with transformers mounted inside the housings.

I hope this helps. If anyone has a LS-3 or LS-9, I would love to buy it or trade for it.

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: lkayser@rideau.net (Larry Kayser)  
Subject: MORE on NAILS!!!!!!!!!!!!!!!!!!!!  
Message-ID: <199701032105.QAA28279@mail.peterboro.net>

Greetings:

After posting the comment about using nails as the form for winding the coils for the little 6v6 transmitter I remembered that about a year ago I found a surplus store in Toronto, Ontario, predominantly into parts, but some "green" things as well that had REAL BELL WIRE. CLOTH WRAPPED REAL BELL WIRE. THE KIND THAT DRIVES YOU NUTS TRYING TO STRIP IT.

The guy in the store new what he had, he was charging, as I remember it, 20 cents a foot (in rolls of 50 ft.), but it was the real stuff. He even had multiple colours! If your really into it lets get Gerry Proc to check it out....

When I was a child I had a Telephone Central Office guy give me a big spool of this stuff, probably 3000 ft or so as I remember it weighed nearly 30 lbs. Great stuff, built everything with it. Common trick of the day was to braid the stuff in three or six strands for filament circuits etc.

BTW I once saw an article somewhere for an 807 amplifier for that little 6V6 rig. The amp was built on the same style, straps of wood and produced about 70 watts or so. I remember it so well as it used Farenstock (sic?) Clips for the power connections..UGH!!!!

Larry  
va3lk / wa3zia

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: lkayser@rideau.net (Larry Kayser)  
Subject: NAILS!!!!!!!!!!!!!!  
Message-ID: <199701031633.LAA24401@mail.peterboro.net>

Holdit please.....

>He found it in the 1949 issue of the ARRL Handbook. Philip's article  
>showed the radio put together on two slats of wood, and the coil is  
>definitely hand-wound. It looks as if he used nails as the coil form.  
>

Well nails might be used, maybe even should be used (and please an odd  
number of nails please), to wind the coils in that very neat little 6V6  
transmitter. BUT DO NOT USE NAILS IN THE TRANSMITTER CONSTRUCTION!!!!

Please use almost any kind of small wooden sticks, such as are used to mount  
pieces of meat and vegetables on for cooking over a BBQ. It is a neat  
little rig, thousands have been made and work well.... Remember NO NAILS....

Good Luck

Larry  
va3lk / wa3zia

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: NC-183D variant with 6J5  
Message-ID: <2.2.32.19970103124535.0075aad4@infoave.net>

Hello all,  
I recently acquired my first NC-183D which came with a copy of a copy of a  
copy of an original manual. The schematic and the 1957 Handbook ad copy I  
have for the '183D show a 6SN7 dual triode used as a audio phase inverter  
and S-meter amplifier.  
My receiver has a 6J5 single triode on the chassis where the 6SN7 is  
supposed to go. The chassis is stamped 6J5, so this is the right tube. The  
audio works ok and the s-meter works too, so something is driving this  
circuitry as well.  
Is this a later version of the '183D? Does anyone have the proper schematic  
for this layout?

Thanks,  
de Conard WS4S

.....  
. Conard Murray WS4S Glowbugs listowner .



From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: PRC 10 circuit needed

Message-ID: <199701031358\_MC1-E34-2768@compuserve.com>

Hi, I am looking for the circuit for the PRC-10 set.  
I don't need a full handbook, I think we should get  
by with just a circuit and perhaps a layout diagram.

Many thanks.

Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: gpewitt@execpc.com  
Subject: PRC-6 xtals sold  
Message-ID: <Chameleon.970103123516.gpewitt@execpc.com.execpc.com>

The crystals have been sold. If for any reason the deal  
does not go through I will notify the next in line.  
Thanks and I wish I had enough for everyone.  
73 Gary

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "Garey Barrell, K40AH" <75025.73@CompuServe.COM>  
Subject: Radio Handbook  
Message-ID: <970104044608\_75025.73\_FHD50-1@CompuServe.COM>

BA'ers

The last edition of the "Radio Handbook" I have is the  
twenty-third edition. Flyleaf shows "first printing - 1986"

It is copyrighted 1987 by Howard W. Sams & Co. - A Division  
of MacMillan, Inc.

The ISBN is 0-672-22424-0 and Library of Congress Catalog  
Card Number is 85-61776

The twenty-second edition, first printing - 1981, was also  
published by Sams, and shows copyright dates of 1967, 1970,

1972, 1975, 1978 and 1981. Apparently Sams, at least the part that published this book, was acquired by MacMillan sometime after 1981.

Working our way back, the twenty-first edition, first printing - 1978, was also published by Sams and shows the copyright dates of 1967, 1970, 1972, 1975 and 1978. It also has "Editors and Engineers" on the spine, but no reference on the flyleaf

The twentieth edition was published by "Editors and Engineers", shown in this edition as "Division of Howard W. Sams & Co., Inc." Copyright and first printing - 1975.

Nineteenth edition copyright and first printing - 1972. Also with "E & E" on the spine, division of Sams.

I don't have an eighteenth edition, but the seventeenth is copyright and first printing - 1967. Published by Editors and Engineers, Ltd., New Augusta, Indiana.

Sixteenth - 1962. and Fifteenth - 1959, both published by Editors and Engineers, Ltd., Summerland, California

First edition was 1935.

More than you ever wanted to know about the "West Coast Handbook"!!

73, Garey - K40AH  
75025.73@compuserve.com  
Atlanta

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Bob Roach <KE4QOK@worldnet.att.net>  
Subject: Radio Handbook by Bill Orr  
Message-ID: <19970103193311.AAA12149@LOCALNAME>

Hello Guys,

Just prior to the holidays I went to the local Barnes and Noble book store and made out my wish list. One of the books I wanted was The Radio Handbook by Bill Orr. There was one copy on the shelf. When the XYL went to shop that copy was gone and I ended up with a gift certificate so I called and ordered the book. I just got off the phone with the sales people and they

told me that the book is unavailable from the distributor and indefinitely out of stock from the publisher. I was told that when a book is indefinitely out of stock it usually means forever.

Does anyone know anything about the status of this publication. Seems hard to believe that after all this time it is no longer going to be published.

(o o)

-----o00\_( )\_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997

From: the-radio-doctor@juno.com (Rob D Long)

Subject: RE:Ranger cabinet

Message-ID: <19970102.120658.12350.5.the-radio-doctor@juno.com>

The Ranger cabinet has sold for \$90.00, it was top offer, I don't want anyone getting in a bidding war on this guy so I'm shutting it off at that. A couple other close runners will be dissapointed, I wish I had a couple more so i Could fix you fellows up to! Unfortunately I do not, I will however try to hunt up another one or two, I think I can get one more although not in as nice of condition. If I do I will post it here, preference will be given to losers on this one.

73, and thanks for all interests on this one. Rob

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Receiver drift problem

Message-ID: <Pine.ULT.3.95.970103204620.13454E-100000@admin.aurora.edu>

I am still working on restoring the ARM-101 Australian HRO copy. Thanks to Murray Kelly & friend, I have a complete manual. This thing is rare enough that there is probably no way I would ever find a replacement xtal filter, so I made a Q multiplier mounted on an L bracket and the controls fit thru the original panel holes. I must say it works like

a charm. Now down to the nitty-gritty. All is well now except for what I would call an unusual amount of drift. The schematic shows a 12pf NPO 750 cap across the main tuning cap osc section. In fact this cap was mounted under the chassis across the tickler winding and looked like it had not been there originally. SO I put it where the drawing says it should be. I ran 2 tests. First with the cap installed, and next without the cap. I measured frequency periodically over an hour's time starting 1 minute after turn-on (on 40 meters).

The results are:	without cap	with cap
drift first hour:	-5.423KC	-4.414KC
drift next 30 min:	-600 Hz	-275 Hz
drift next 30 min:	-100 Hz	+11 Hz

So it would appear that the cap is doing some good, but I feel that amount of drift is ridiculous. At about the half hour mark, the drift is about 60 cycles per minute. It should have stabled down by that time I would think. (Same results with different osc tube).

ANY ideas? I haven't compared this to either of my HRO's yet.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Dave Metz <metzd@cfw.com>  
Subject: repost of good items  
Message-ID: <2.2.32.19970103234910.0006e3884@milo.cfw.com>

Normally, I wouldn't consider a repost but this seems too good to be true. I picked this off the rec shortwave NG. so please answer to this guy direct-- NOT ME please

73's dave

from: wvl@crl.com (Bill Lawlor)

For Sale or trade for photo gear: 1947 National HRO 50T w/matching spkr, six coils, manual good working condx; Heathkit SB-310 working w/ SB 620 panadaptor was working untill recently; Collins R390A/URR excellent condx-this was a lab rcvr at McDonnell-Douglas not in military service-best rcvr ever! The whole lot \$300-you pick up near San Francisco. e-mail or (415) 454-6486. Bill ex-W6OMQ

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: okasb@rex.mtv.gtegsc.com (Bob Okas)  
Subject: Re: repost of good items  
Message-ID: <9701040003.AA00812@rex.mtv.gtegsc.com>

Hi Gang,

Don't bother going after these items, they're already sold and sadly, I'm not the one who got 'em. sniff.

Bob - W3CD

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: John Shriver <jas@shiva.com>  
Subject: Re: TV-7's made by Hickock...?  
Message-ID: <199701031428.JAA21558@shiva-dev.shiva.com>

My TV-7/U was built by Supreme, according to the serial number tag. Real low serial number, in the 100's or 200's.

I wouldn't be surprised if each variant (TV-7A/U, TV-7B/U) was built by one vendor. Well, one variant has a mid-run change, so that may have been built by two vendors.

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>  
Subject: Re: TV-7's made by Hickock...?  
Message-ID: <199701031524.JAA00377@dns1.net-connect.net>

>My TV-7/U was built by Supreme, according to the serial number tag.  
>Real low serial number, in the 100's or 200's.

>

>I wouldn't be surprised if each variant (TV-7A/U, TV-7B/U) was built  
>by one vendor. Well, one variant has a mid-run change, so that may  
>have been built by two vendors.

By their philosophy, mil procurement does not like single source products - though this has often become necessary with today's complex com gear,

i.e. PRC-70, PRC-126 and PRC-127 etc.

Thus, a piece of equipment may be designed by Collins (R-390A, for example) or Hickock (TV-7) but second and third sourced by x and y company. This assures the military of supply with dependence on one supplier.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: "al parker" <al\_parker@kacc.com>  
Subject: Re: URM-120 Wattmeter  
Message-ID: <9700028522.AA852268484@ccuucp.kacc.com>

I'm 2 days behind on reading the digests, so you may have this info by now.

Tue, 31 Dec 1996 john roccaro wrote:

>"I called Fair Radio to try to get the little diode "bullet" for  
>this thing, but they need a diode type (eg. 1N###)."

These are good wattmeters, I have one, recently acquired at a yard sale, complete with manual and 3 plug-ins. The manual isn't much help on maintenance, but apparently uses the same diode for the lowest & highest freq. plug-ins, pt. no. 105X4, and a different one, pt. no. 105X2 for the mid-range detector. Unfortunately, these no.s don't correspond to what's on your diode. This manual specifies units built by Sierra Electric.

There has been some info in QST under Technical Correspondence on the URM-120, May 1996, pg 77, and Sept. 1996, pg 77 & 79. This indicates that the diode is a selected 1N21, but also that the selection is specific to the freq. of the plug-in.

Fair Radio used to sell them, and could possibly have some stray plug-ins.

73,  
Al, W8UT  
Dublin, CA  
al\_parker@kacc.com

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: Larry Godek <AZCOT@gnn.com>  
Subject: URM-25D  
Message-ID: <199701031520.KAA30963@mail-e2b.gnn.com>

In checking my URM-25D. Tag sez it was made by TRAD Television Corp. in Asbury Park, NJ. Contract N0bsr 59494. Made for the Dept. of the Navy.

Don't have a TV-7, just a Hickok 534 Mutual Conductance tube tester which also has pin jacks to use it for AC/DC Volts, current, resistance and capacitance. Came with the "big" red HV probe to measure up to 5kv. Also a couple of spare roll charts and the book. I use it a lot.

Larry Godek W00GH  
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: km1h@juno.com  
Subject: Re: URM-25D  
Message-ID: <19970103.123611.9895.14.km1h@juno.com>

For what its worth, my 25D was built by Kings Electronics of Tuckahoe, NY. I wonder if this is the same company that became King Aircraft Radio in Olathe, KS?

73...Carl

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: "Stanley L Flegler" <flegler@pilot.msu.edu>  
Subject: URM-25F is sold  
Message-ID: <199701040446.XAA132694@pilot04.cl.msu.edu>

The URM-25F posted for sale this morning sold very quickly. I was unexpectedly called away from my computer and just now got a chance to post this message. I wish I had about 12 more to sell! 73 Stan K8RPA



From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: Dgnova@aol.com  
Subject: vade mecum  
Message-ID: <970103194543\_1789970413@emout08.mail.aol.com>

--PART.BOUNDARY.0.577.emout08.mail.aol.com.852338743  
Content-ID: <0\_577\_852338743@emout08.mail.aol.com.93517>  
Content-type: text/plain

.

--PART.BOUNDARY.0.577.emout08.mail.aol.com.852338743  
Content-ID: <0\_577\_852338743@emout08.mail.aol.com.93518>  
Content-type: text/plain;  
name="AN1.TXT"  
Content-Transfer-Encoding: quoted-printable

There appears to be more than one vade-mecum.

=0D

The one I have was put out by P.H. Brans of P.H. Brans,Ltd antwerp.  
It is dated 1955. I have found it to be very reliable. It covers both  
european and american tubes(valves).  
Brans also put out another volume dealing with military tubes  
and odd tubes.

=0D

The Babani book was put out by Bernards Ltd London. The third edition  
is dated Nov 1958. It is spit up into receiving tubes, transmitting tubes=  
,  
rectifiers,thyratrons,regulator,tuning eyes,cathode Ray tubes photo tubes=  
,  
and rare tubes. =

=0D

I have found 1 or 2 errors in the Babani book.

=0D

Hoping this clears up the confusion. =

Philip McCoy dgnova@aol.com

--PART.BOUNDARY.0.577.emout08.mail.aol.com.852338743--

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997  
From: gpewitt@execpc.com  
Subject: VFO's  
Message-ID: <Chameleon.970103195601.gpewitt@execpc.com.execpc.com>

How good are the Heath HG-10 vfo's? I have 4 of them I want to use with various transmitters. I was surprised to find that they have the right output for my Knight T60. I never have found a knight vfo that does. Three of them are 10-B's if that makes any difference. Good points? Bad points? Comments?  
73 Gary

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Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: ALanger394@aol.com  
Subject: Re: VLF receivers  
Message-ID: <970103095442\_1689228206@emout16.mail.aol.com>

Hello Scott  
Thanks for the reply

The HP105 B Quartz oscillator unit was in poor electrical condition but excellent mechanically when i purchased it about 3 years ago. i spent several months sorting things out,when i do a repair i like to leave it looking that no one has touched it.The main problem was the power supply regulator board,and the nicad battery pack both had suffered from botched repairs.  
The oscillator looked ok but had low output , as you probably know the problem with crystals and ovens is that once you have found a problem it takes vast amounts of time to prove and record drift and ageing rate.i did do some work on finding the temperature turn over point of the crystal then setting the frequency in the "valley" to obtain best stability.  
I then sent the oscillator to a professional expert for calibration and he sorted the low output problem and set up the oven again. He did not charge me for this work and we now talk VLF on a regular basis.  
The way i use the standard is to first compare it with MSF on 60Khz using the Tracor  
Phase tracking Receiver then adjust the Fine frequency control on the standard for zero phase error,then use this corrected frequency as the reference input on a Tracor 527A  
Frequency Difference Meter my oscillator under test is then compared and adjusted as required. I can directly read parts in 10/E7,8,9,10,11.  
My main standard is a Racal MA259 wich i belive is a derivitive of a Sultzer 5 but thats another story  
I do have a copy of the Tracor manuals for the 599J and 527A but would like originals

in the fullness of time.

The 599 series all suffer from counting problems on the mechanical counter unit, are you aware of any solid state conversions?

I do not have any details of places who could supply original manuals.

anyway time to do some chores back to work monday

best regards

Allan

Alanger394@aol.com

From boatanchors@theporch.com Fri Jan 3 22:55:53 1997

From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>

Subject: Re: Wattmeter Question TS 1285/URM-120

Message-ID: <v03007803aef329a8ac4a@[134.53.65.12]>

I'm forwarding this response to me from Richard Hager to the List because of its general interest. It was in response to a comment by me that diodes in power meters for the HF range need not be closely matched, nor specially chosen. The diodes in question were the "bullet" type plug-in diodes in the above wattmeter. They were marked "microwave."

--Jim W8ZR

Msg follows:

>The original diode says 'microwave' on it because it was made by  
>'Microwave Associates'. Sometimes you'll also see a 'uWave' on them.

>

>I have several of these style diodes. They were originally shipped in a  
>sealed lead-sheet tube, to prevent static damage. Note that these types  
>of diodes are point contact, with very small junctions are extremely  
>easy to damage with static.

>

>While I agree that a higher-freq diode will work fine in this 2-30mhz  
>range, I wouldn't be so sanguine about the breakdown voltage not  
>matter. The very high frequency units often had a breakdown voltage  
>of only 2-3 volts! They can be destroyed simply by hooking up to some  
>older ohmmeters.

>

>A modern, high quality, DMM like a Fluke will limit the current flow and

>avoid damage. However, note that even a Fluke uses up to 1ma on the  
>lowest 200ohm range.  
>  
>In the power meter referenced, I'd try a modern schottky diode, like a  
>5082-2811, a 1N5711 or 5712, or a 1N6263. When mounted with short leads,  
>the parasitics should be fine for 2-30.  
>  
>Note that some power meters are desgined to keep the diode in the  
>square-law region, while others use the full range of the diodes  
>capabilities. It may be somewhat difficult to match this up properly.  
>  
>That may be part of the reason that the mfg suggested using the same part  
>number for replacement. Different diodes break from square-law to linear  
>peak-detect at different power levels.  
>  
>Hope this all helps a little.  
>  
>Richard  
>--  
>  
> Richard Hager  
>  
>+ Ah-ha! Design Group, Inc. -  
>+ Precision CNC Technology, since 1991 -  
>+ 612-641-1797, Fax: 612-641-8681 -  
>+ "I just like to make things" So... -  
>+ ...please call Ah-ha! directly for CNC info -  
>+ <http://www.millcomm.com/~ahha> email: [ahha@millcomm.com](mailto:ahha@millcomm.com) -  
>

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997  
From: ALanger394@aol.com  
Subject: Re: WJ-8615 receiver info wanted  
Message-ID: <970103095444\_1923268142@emout18.mail.aol.com>

Hi Ben  
I have a copy of the sales literiture on this radio if you are interested i  
can copy it for you.  
How does the radio perform ect. I would be interested to know.

Regards  
Allan Langer  
G6EII  
tel 01925 445605  
[Alanger394@aol.com](mailto:Alanger394@aol.com)

From boatanchors@theporch.com Fri Jan 3 13:10:16 1997

From: "Grant Youngman" <nq5t@gte.net>

Subject: WTB: Viking Navigator

Message-ID: <199701030632.AAA15968@smtp.gte.net>

Looking to purchase one of these cuties. Any one out there have one to part with?

Grant/NQ5T

-----  
Grant Youngman / NQ5T

nq5t@gte.net

<http://home1.gte.net/nq5t/index.htm>

Double Oak, TX -- nr Dallas